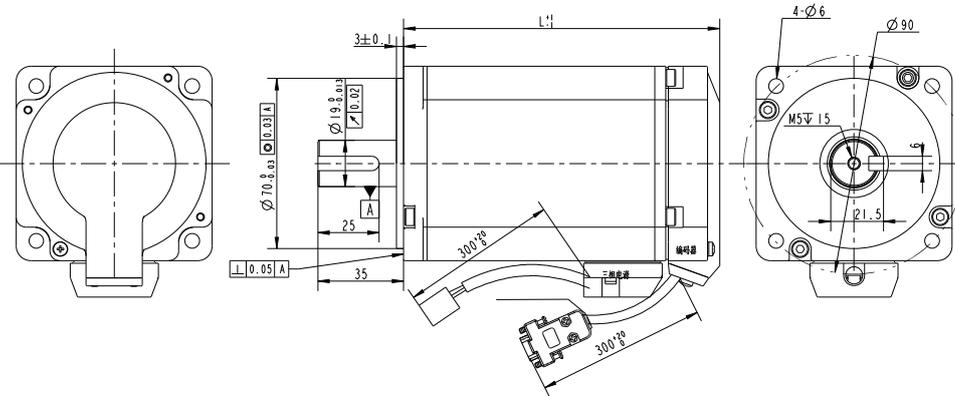


机械尺寸

(Dimensions)



选件 Options



特性概要

(General Specifications)

| | |
|---------------------------------|---|
| 绕组连接方式 (Winding Type) | 星形 (Star connection) |
| 径向负载 (Max radial force) | 392N @ 10mm from the flange |
| 轴向负载 (Max axial force) | 147N |
| 绝缘等级 (Insulation Class) | Class F |
| 防护等级 (Protection level) | IP65 |
| 使用环境温度 (Temperature) | -20°C ~ +50°C |
| 使用环境湿度 (Relative humidity) | ≤90%RH (无凝露) (No dewing) |
| 存储环境 (Storage Condition) | -20°C ~ +85°C, ≤85%RH (无凝露) (No dewing) |
| 安装环境 (Installation environment) | 远离腐蚀、可燃性气体, 油滴, 灰尘, 海拔 ≤1000m Far away active gas, Combustible gas, oil drop, ash |

接线说明

(Electric Connection)

| Pin No | 引出线型号 Type | 引出线颜色 Color | 功能 Functions |
|--------|-------------|-------------|--------------|
| 5 | AWG26 | 红色 (Green) | 霍尔电源正 (Vcc) |
| 1 | | 蓝色 (Blue) | 霍尔 U (Hu) |
| 2 | | 绿色 (Green) | 霍尔 V (Hv) |
| 3 | | 白色 (White) | 霍尔 W (Hw) |
| 4 | | 黑色 (Black) | 霍尔电源负 (GND) |
| 1 | 3*AWG16(13) | 黄色 (Yellow) | U相 (Phase U) |
| 2 | | 红色 (Red) | V相 (Phase V) |
| 3 | | 黑色 (Black) | W相 (Phase W) |

电性能

(Electrical Specifications)

| | 单位 (Unit) | FL80BLG75 | | FL80BLG100 | |
|----------------------------------|--------------------|-----------|-------|------------|-------|
| | | | | | |
| 极数 (Number of poles) | | 10 | | | |
| 相数 (Number of phases) | | 3 | | | |
| 额定电压 (Rated voltage) | VDC | 310 | 48 | 310 | 48 |
| 额定转矩 (Rated torque) | N.m | 2.39 | 2.39 | 3.18 | 3.18 |
| 连续运行转矩 (Continuous stall torque) | N.m | 2.86 | 2.86 | 3.81 | 3.81 |
| 额定速度 (Rated speed) | RPM | 3000 | 3000 | 3000 | 3000 |
| 额定功率 (Rated power) | W | 750 | 750 | 1000 | 1000 |
| 峰值扭矩 (Peak torque) | N.m | 7.14 | 7.14 | 9.6 | 9.6 |
| 峰值电流 (Peak current) | A | 13.2 | 73.5 | 17.7 | 90 |
| 线电阻 (Line to line resistance) | ohms@20°C | 4.09 | 0.089 | 2.8 | 0.069 |
| 线电感 (Line to line inductance) | mH | 12.6 | 0.275 | 8.67 | 0.208 |
| 转矩常数 (Torque constant) | Nm/A | 0.736 | 0.115 | 0.736 | 0.115 |
| 反电势 (Back EMF) | Vrms/KRPM | 54.5 | 8.5 | 54.5 | 8.5 |
| 转动惯量 (Rotor inertia) | kg.cm ² | 1.56 | 1.56 | 2.22 | 2.22 |
| 机身长度 (Motor length) L | mm | 112 | 118 | 129 | 135 |
| 重量 (Weight) | kg | 2.5 | 2.6 | 3.2 | 3.3 |